

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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50X1-HUM

COUNTRY Poland

REPORT

29 OCT 1957

SUBJECT Machine Shops in Elblag

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1

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SUMMARY OF CONTENT IS TENTATIVE

1. A report containing fragmentary information on the machine shops in Elblag (Elbing).
2. A second report on the Elblag machine shops which explains certain of the forty installations shown on the accompanying sketch. This report states that the construction of ships has been completely abandoned and that there is no intention of resuming such construction.

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^{factories}
These ~~shops~~ perform only foundry and machine work. The construction of ships has been completely abandoned and there is no intention of resuming it. When they were put back into operation, the shops worked for the Navy and the railroads. At present, the work for the railroads is apparently very slight or nonexistent.

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Slips 17, 18, and 19 have been abandoned (see sketch).

^{Dock}
~~Basin~~ 25 was not observed; its existence is doubtful.

There were a few lighters in ^{Dock}~~Basin~~ 3.

^{factories}
These ~~shops~~ produce turbines, reciprocating engines, shafts, propellers, anchors, stem posts, and stern posts.

- 1) Test stand for turbines.
- 2) Test stand for ¹~~recip~~roating engines. On 26 June and exhaust turbine (2,000 kilowatts) and two reciprocating engines were being tested.
- 7) Hall in the west part of which the reduction gears are cut. There are two or three cutting machines. These machines are not air-conditioned.

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There is talk of air-conditioning the entire shop.

11 bis) Approximate location of a laboratory for testing reduction gears with gamma rays.

14) Approximate location of a shop where the turbine blades are prepared.

24) Machining and polishing of propellers (about 7 or 8 propellers were seen on 26 June).

27) Shop for stem posts and stern posts.

28) and 21) Machine hall. Many machine tools. The shop is very well arranged. No welding is done in these buildings.

35) Foundries.

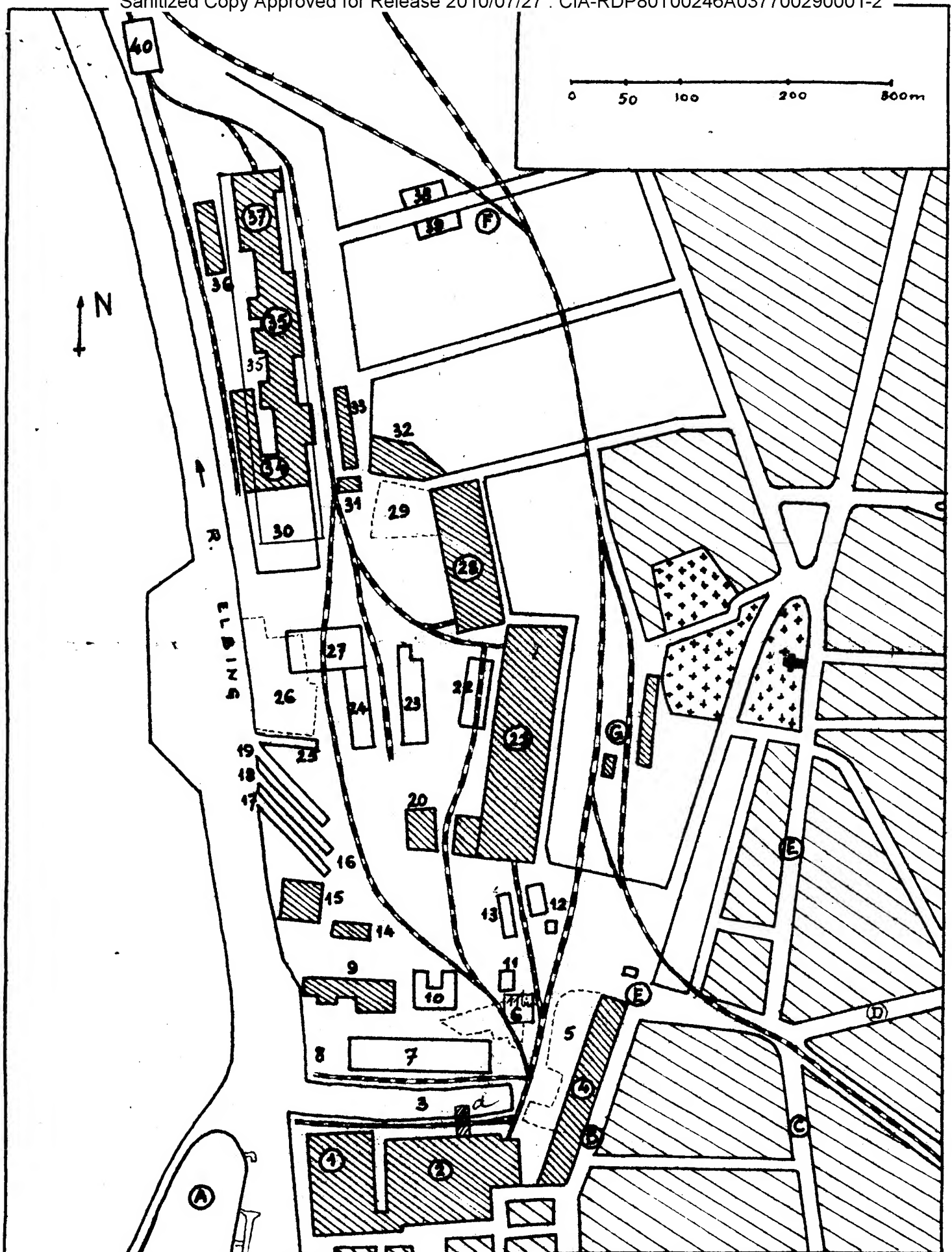
- In "A", which is adjacent to ^{Dock} ~~Basin~~ 3, there is a 200-ton crane of traveling type on a concrete bridge. It permits the loading onto lighters of machines and parts to be shipped.

- The completed material is shipped to Gdansk by canals. The land route does not seem to be utilized.

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These factories specialize in foundry work and machine building.

Foundries:

Foundry for all current metals except aluminum. Production is about 1,500 tons per month. Items produced: stem-posts and stern-posts, and propellers of bronze and cast stainless steel. The propellers are cut by hand.

Machine building:

The factories produce reciprocating engines, exhaust turbines for ships, and turbines for electric power plants on land (25,000 horsepower). Only the reciprocating engines undergo brake tests. The turbines undergo an operating test. Allegedly these factories produce turbines built without special steels, with steam introduced at 90 kilograms per square centimeter and at 500 degrees. The extrusion of the turbine blades is done by the factory.

Machine shops:

A plade is set aside for the cutting of the reduction gears. The maximum diameter of these gears is ~~about~~ 4 meters.

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A precision of 2 microns is allegedly obtained, although the machines are not air conditioned.

The machine shops are divided into three bays with ~~rolling bridges~~ ^{traveling cranes}. There are many more or less modern machine tools.

Not all of the machines are used because of the shortage of manpower. Many workers are very young.

Manpower:

These factories employ ~~4,000~~ 4,000 workers and 90 engineers (almost all very young).

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